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Three public scientific sessions were held on April 19 and 20 at which the following papers were presented:

THOMAS H. MORGAN: Localization of the hereditary material in germ cells.

JACQUES LOEB: Stimulation of growth.

LAFAYETTE B. MENDEL: Specific chemical aspects of growth.

EUGENE F. DU BOIS, Medical Director, Russell Sage Institute of Pathology (by invitation of the Program Committee): Basal metabolism during the period of growth.

I. S. KLEINER and S. J. MELTZER: Retention in the circulation of injected dextrose in depancreatized animals and the effect of an intravenous injection of an emulsion of pancreas upon this retention.

JOEL STEBBINS, Draper Medallist: The electrical photometry of stars.

GEORGE E. HALE: A vortex hypothesis of sun spots.

EDWIN B. FROST: The spectroscopic binary, Mu Orionis.

ROBERT W. WOOD: One-dimensional gases and the experimental determination of the law of reflection for gas molecules.

ROBERT W. WOOD: The relations between resonance and absorption spectra.

EDWARD L. NICHOLS and H. L. HOWES: On the polarized fluorescence of ammonio-uranyl chloride.

ROBERT A. MILLIKAN (by invitation of the Program Committee): Atomism in modern physics.

WILLIAM MORRIS DAVIS: Problems associated with the origin of coral reefs, suggested by a Shaler Memorial study of the reefs of Fiji, New Caledonia, Loyalty Islands, New Hebrides, Queensland, and the Society Islands, in 1914.

F. W. CLARKE: Inorganic constituents of marine invertebrates.

HENRY FAIRFIELD OSBORN and J. HOWARD MCGREGOR: Human races of the Old Stone Age of Europe, the geologic time of their appearance, their racial and anatomical characters.

CHARLES A. DAVIS, Geologist, Bureau of Mines (by invitation of the Program Committee): On the fossil algae of the petroleum-yielding shales of the Green River Formation.

NATHANIEL L. BRITTON: The forests of Porto Rico.

J. WALTER FEWKES: Pictures on prehistoric pottery from the Mimbres Valley in New Mexico and their relation to those of Casas Grandes.

CHARLES B. DAVENPORT: Inheritance of temperament.

CHARLES B. DAVENPORT: Inheritance of Huntington's chorea.

AWARD OF THE HENRY DRAPER MEDAL

At the Annual Dinner of the Academy held at the Hotel Raleigh on April 20, 1915, the Henry Draper Medal was awarded to Joel Stebbins, of the University of Illinois, in recognition of his work on the Application of the Selenium Cell to Stellar Photometry.

RESEARCH GRANTS FROM THE TRUST FUNDS OF THE ACADEMY

During the twelve months preceding the Annual Meeting of the Academy the following grants for the promotion of research were made from trust funds of the Academy.

GRANTS FROM THE BACHE FUND

No. 182, W. C. Kendall, $600. April 30, 1914. For illustrations in color and incidental expenses in connection with part II (Salmonidae) of Fishes of New England to be published by the Boston Society of Natural History.

No. 183, C. G. Abbot, Smithsonian Institution, $250. June 29, 1914. To complete and test on Mt. Wilson in California an apparatus consisting of a concave cylindrical mirror of about 100 sq. ft. surface adapted to heat oil to circulate through a reservoir containing ovens and water pipes, and thereby to utilize solar radiation for cooking and for heating water for domestic purposes.

No. 184, P. W. Bridgman, Harvard University, $500. September 14, 1914. To continue the work on high pressures, especially to investigate the phase changes brought about in various substances by very high pressure.

No. 185, Robert W. Hegner, $160. December 26, 1914. To determine the visible changes that take place during the differentiation of the germ cells in the embryos of hermaphroditic animals, and to discover, if possible, the cause of these changes.

No. 186, J. Voûte, $800. February 9, 1915. For the determination of parallaxes of Southern Stars by transits, to be conducted at the Royal Observatory, Cape of Good Hope, wholly at the expense of Mr. Voûte, except for these grants. (A grant of $1000 was previously made for the same purpose.)

No. 187, H. H. Lane, $500. April 14, 1915. For a comparative study of the embryos and young of various mammals, in order to determine, by physiological experimentation and morphological observations, the correlation between structure and function in the development of the special senses.

GRANT FROM THE J. LAWRENCE SMITH FUND

No. 4, C. C. Trowbridge, Columbia University, $250. In aid of his study of the luminous trains of meteors.

GRANTS FROM THE WOLCOTT GIBBS FUND

No. 3, W. J. Hale, University of Michigan, $100. May 15, 1914. For assistance in a research on derivatives of 2.3-diacetyl pentadiene.

No. 4, W. D. Harkins, University of Chicago, $200. November 25, 1914. For a special potentiometer and galvanometer to study cobaltamines and ternary systems of fused salts.

No. 5, Mary E. Holmes, Mt. Holyoke College, $100 (second grant), March 18, 1915. For her research on the electrolytic determination of cadmium.

GRANT FROM THE WATSON FUND

No. 9, A. O. Leuschner, University of California, $960. April 21, 1914. For the preparation of tables of the Watson asteroids.

GRANT FROM THE DRAPER FUND

C. G. Abbot, Astrophysical Observatory of the Smithsonian Institution, $500. April 21, 1914. For the services of a computer for the reduction of observations of the solar-radiation and the absorption of the sun's atmosphere.

The following additional grants were authorized by the Academy at the business session of April 19, 1915.

GRANTS FROM THE WATSON FUND

No. 10, John A. Miller, Sproul Observatory, Swarthmore College, $500. For the measurement of plates already taken for the determination of stellar parallaxes.

No. 11, John E. Mellish. To enable him to undertake observations at the Yerkes Observatory.

GRANTS FROM THE DRAPER FUND

W. W. Campbell, Lick Observatory, University of California, $500. For the purchase and construction of photographic and other apparatus for use with the Crossley Reflector.

S. A. Mitchell, Leander McCormick Observatory, University of Virginia, $250. For the purchase of a machine for measuring astronomical photographs.

GRANT FROM THE J. LAWRENCE SMITH FUND

No. 5, S. A. Mitchell, University of Virginia, $500. For computation of the orbits of meteors.